

Figure 1

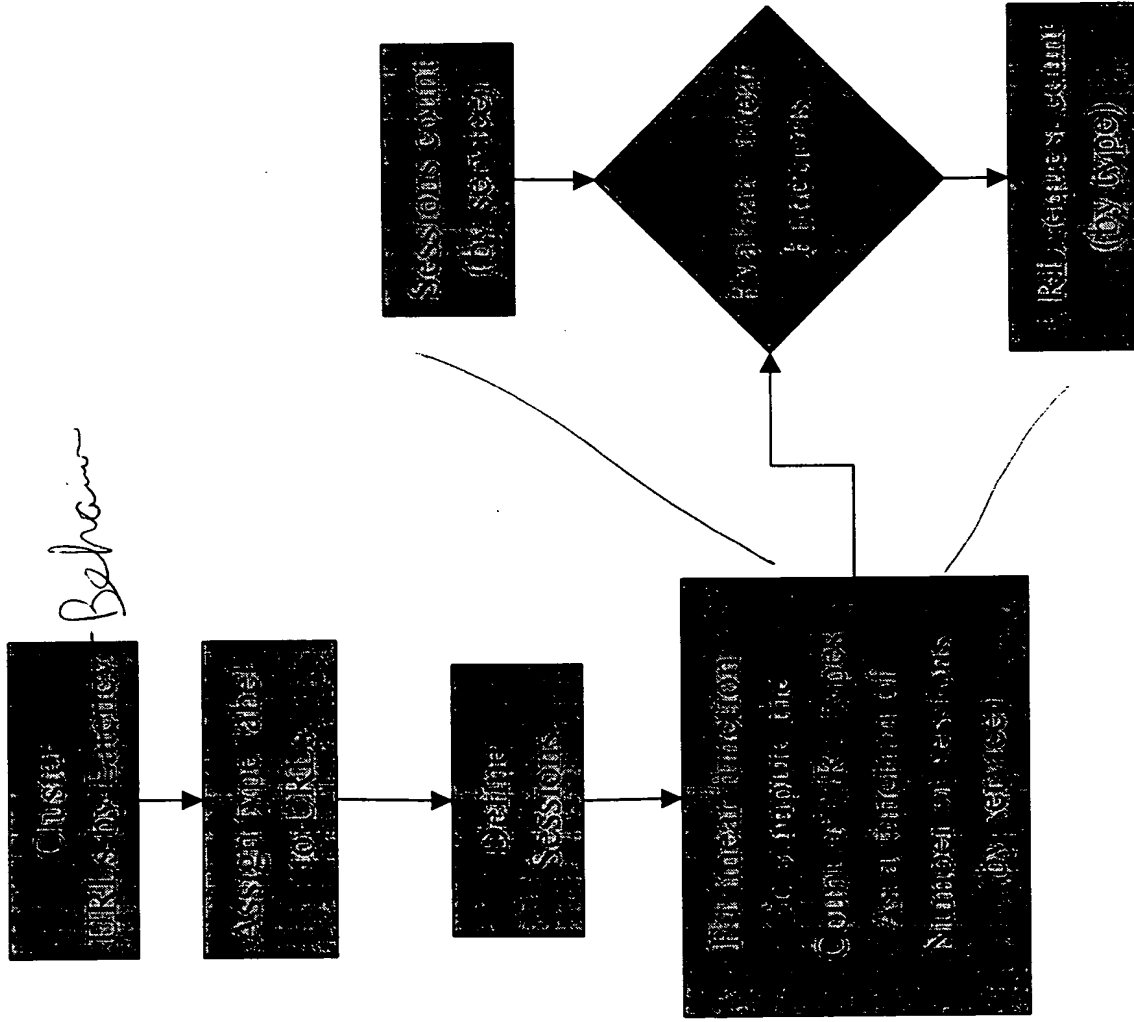


Figure 2

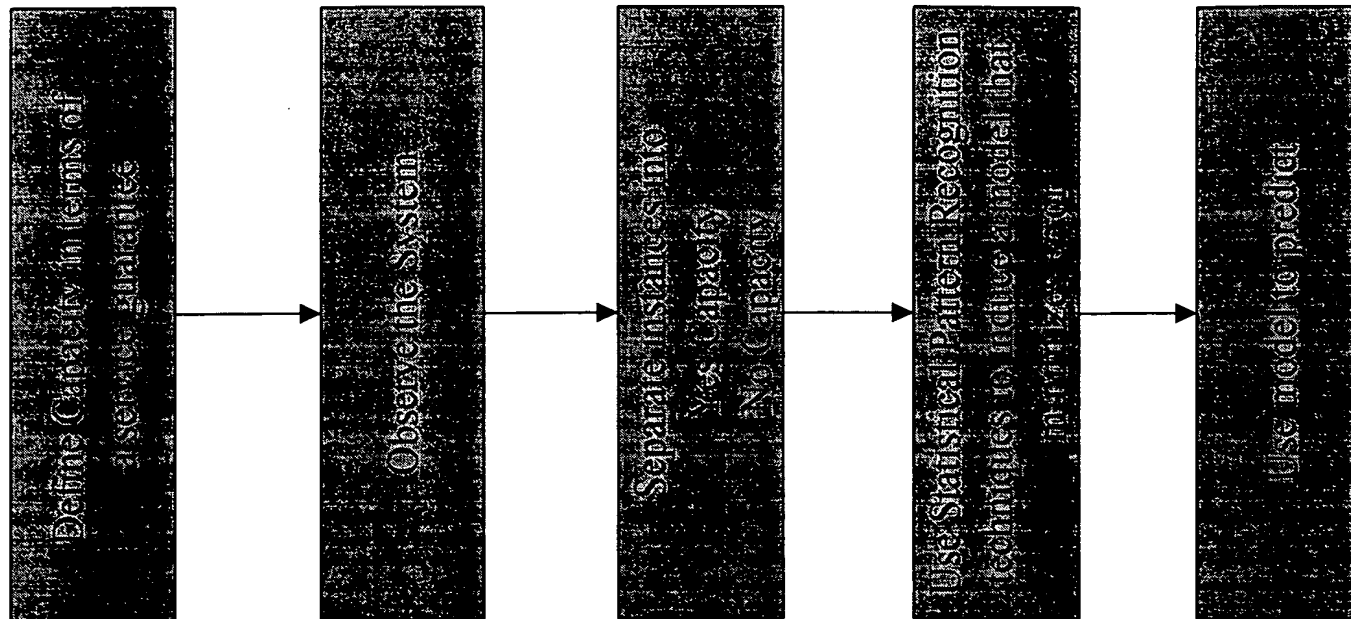


Figure 3

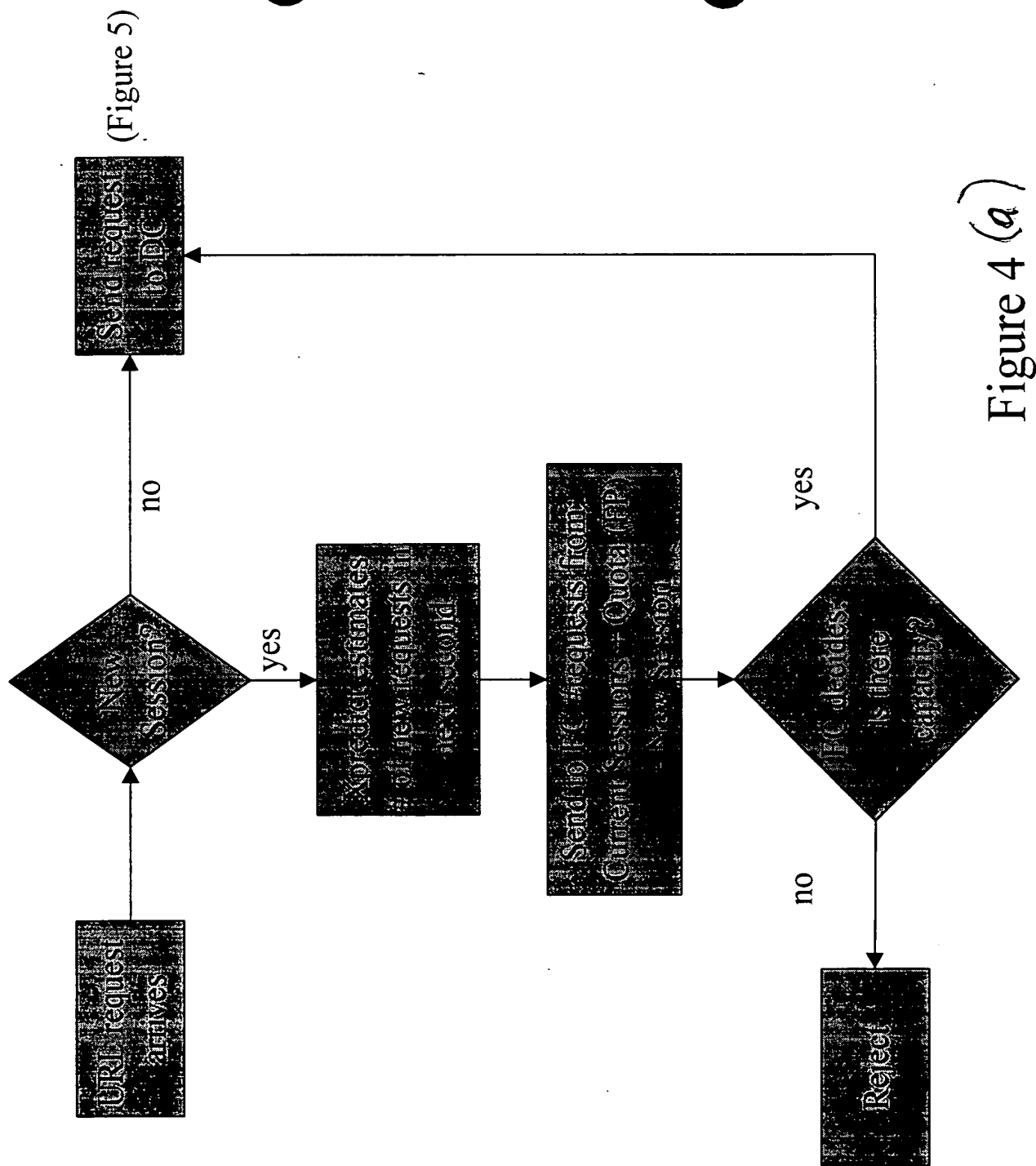


Figure 4 (a)

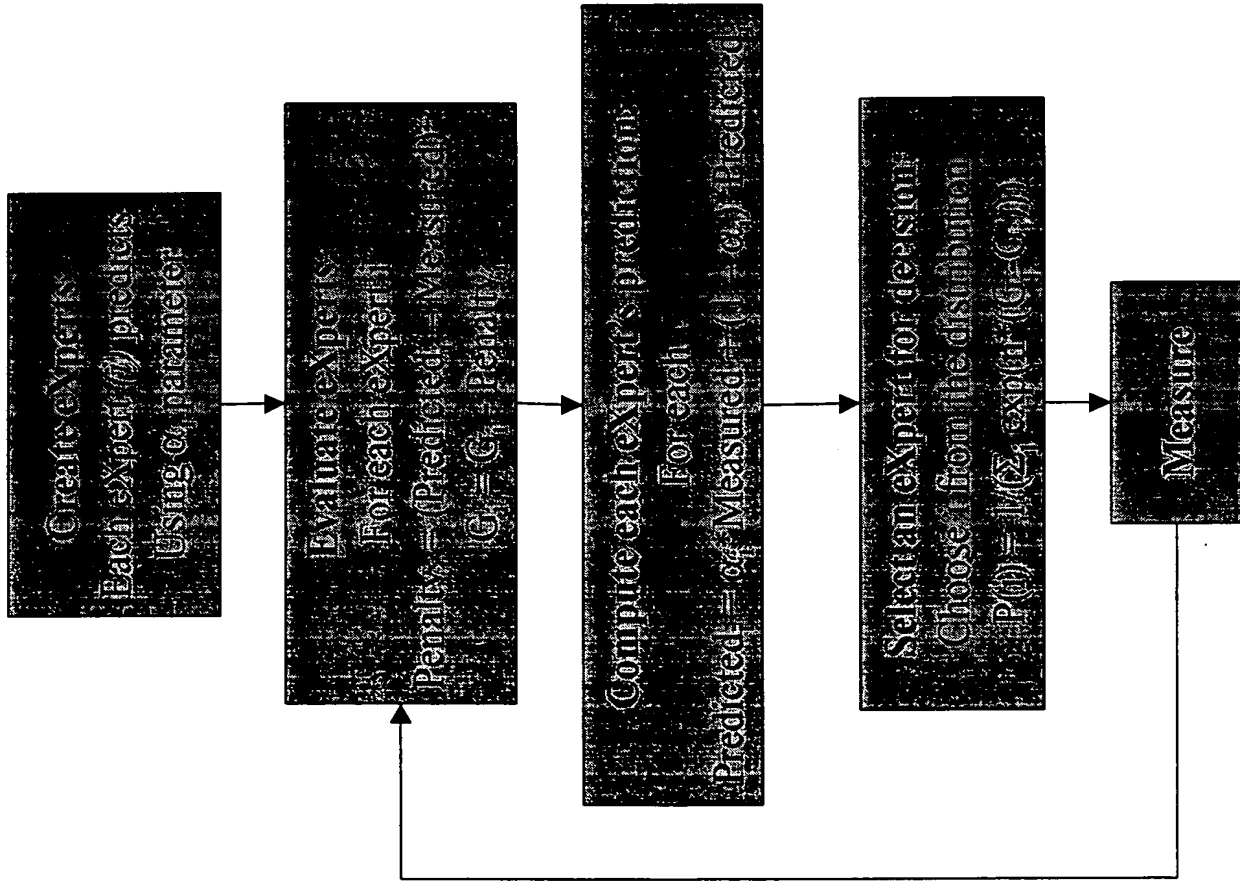


Fig 4(b)

is basically another type of capacity function request?

$$= \frac{\# \text{ Violations}}{\# \text{ Requests}} = x\%$$

Incoming New Session

Quota
(maximum sessions)

measured currently after requests
measured ongoing at each request(s)

$\geq \text{Quota}$

Throughput
Computation
 P_{cr}

Reject

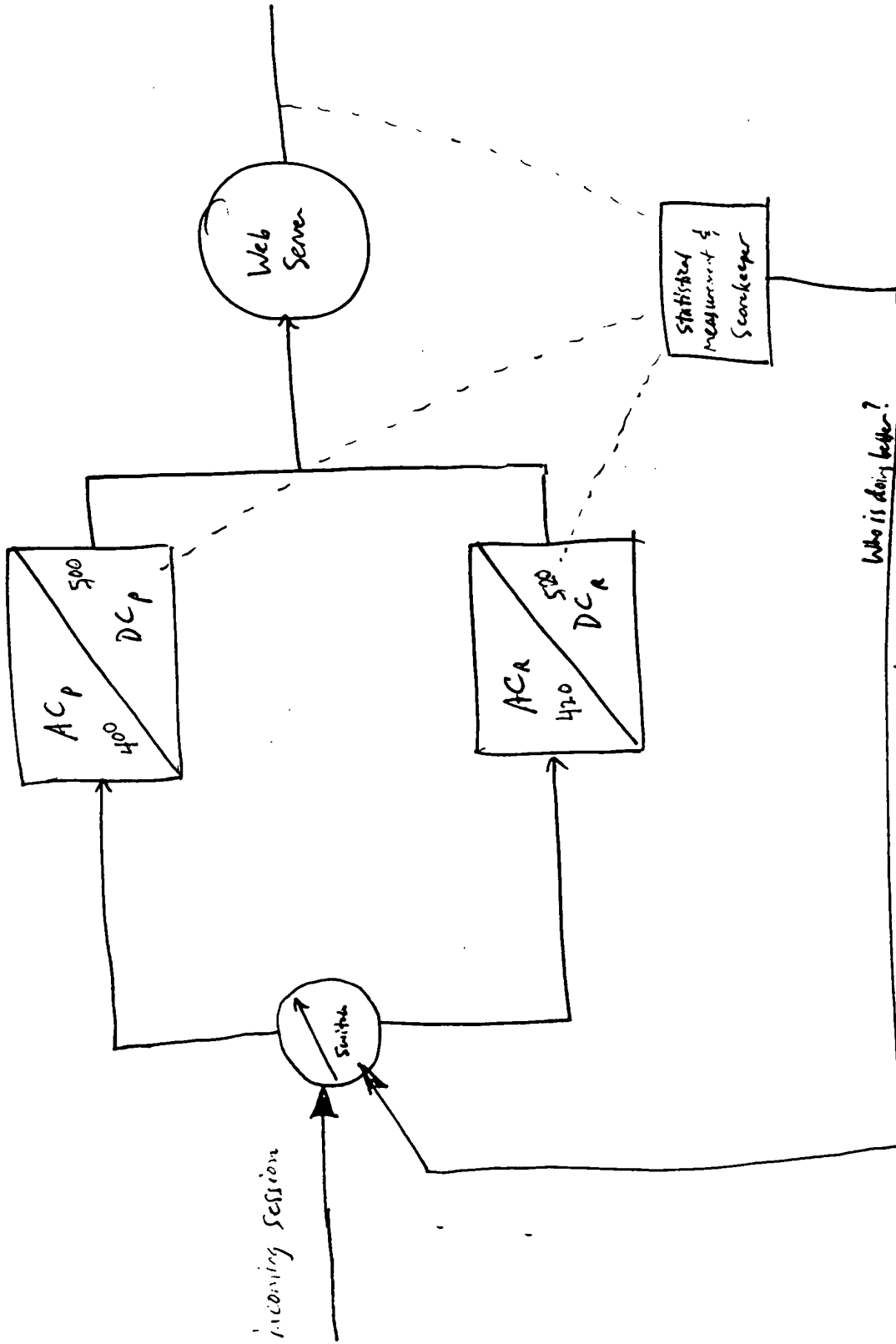
(i.e. slow down
Send to overflow
degrade service
etc.
per rules

Admit

$< \text{Quota}$

Admit to
Server

Figure 10.10



Who is doing better?
Prediction or Measure?
Flip Switch if necessary.

Fig 4(d)

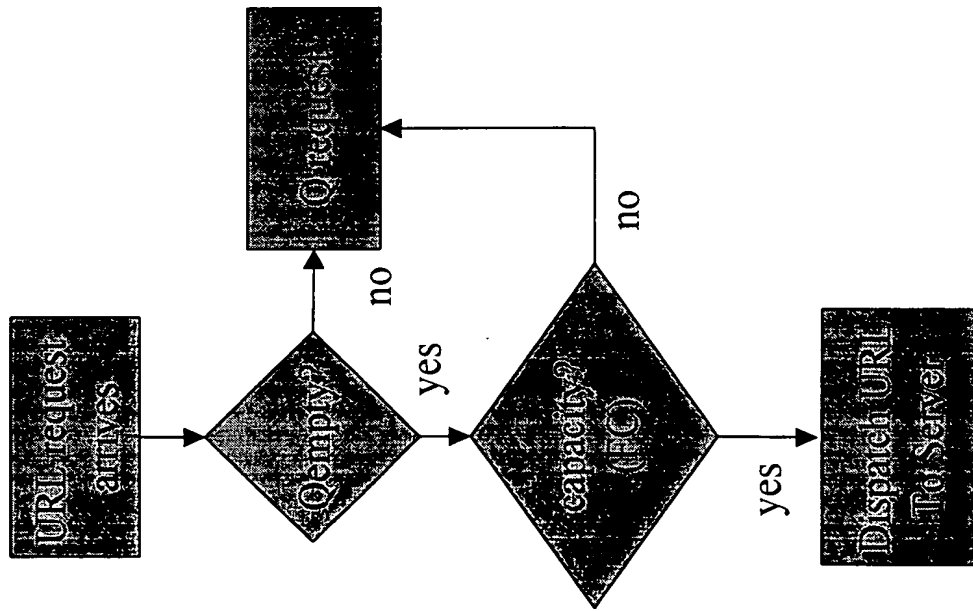


Fig 5(a)

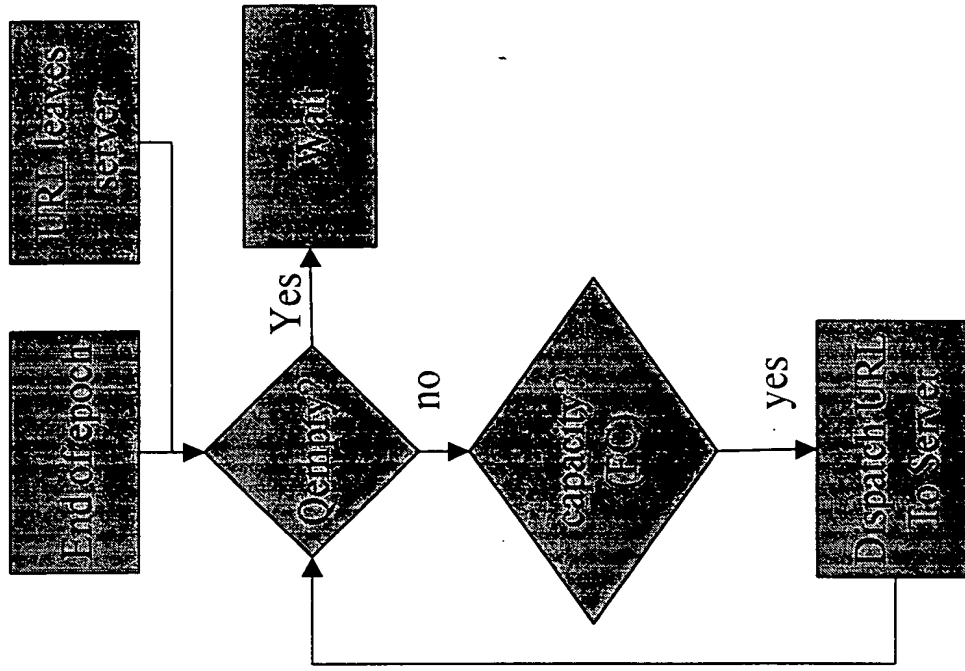


Fig 5(b)

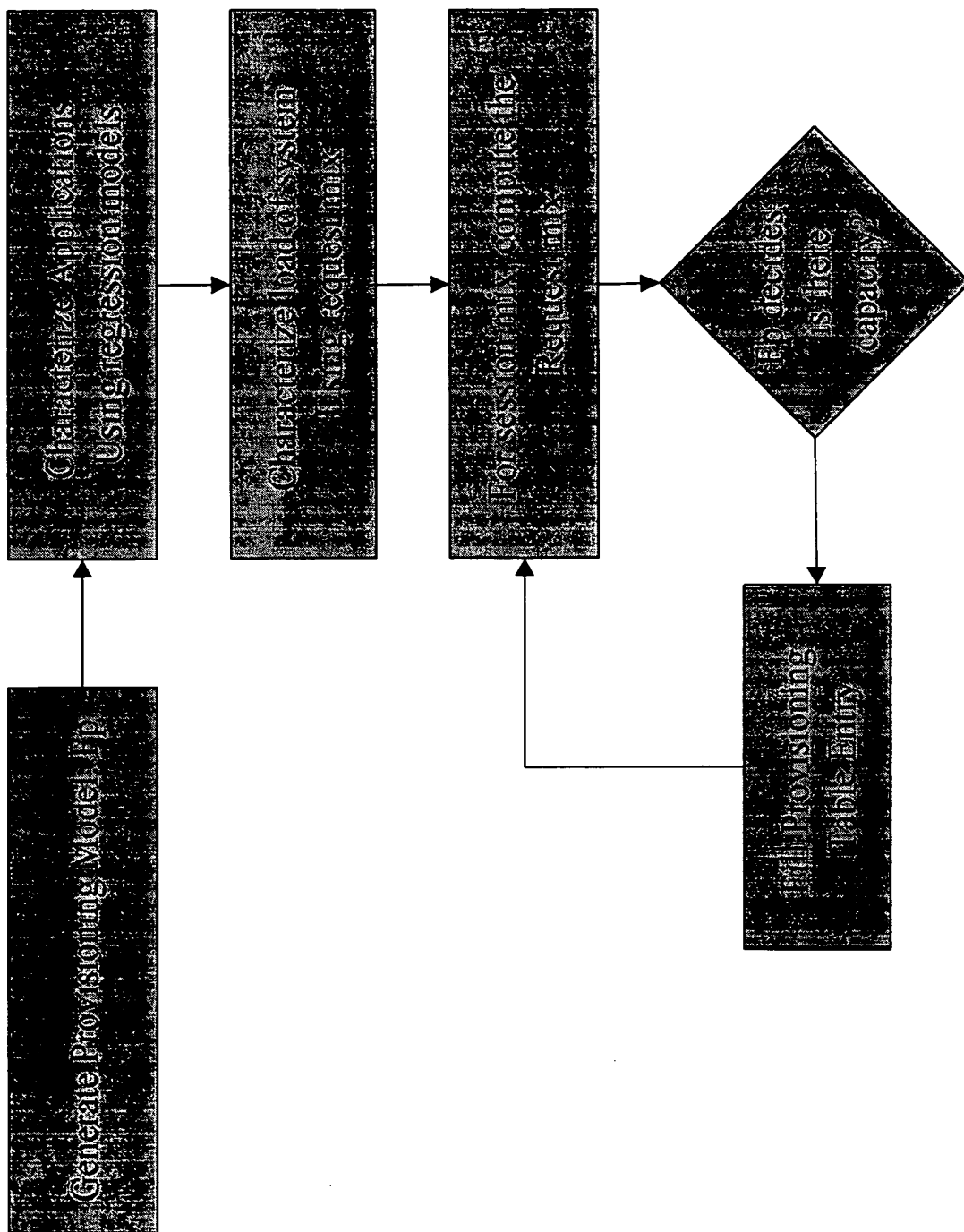


Fig 6

Adaptive Control

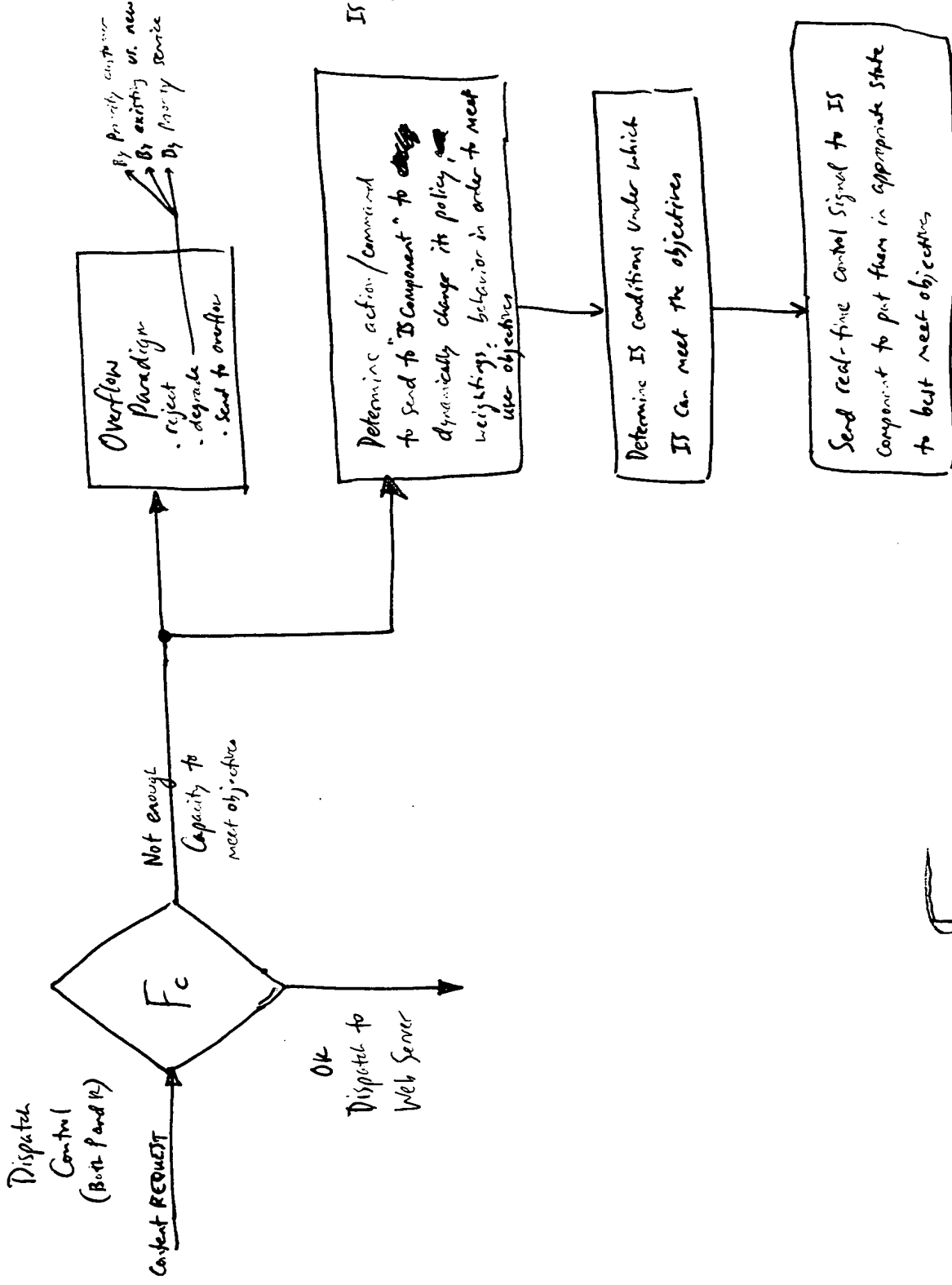


Fig 7

- Change Policy
- Change weightings
- Change BW allocation
- Initiate overflow Ser

